



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DS-L70-835-DIM-RM-OF-WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20356.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 27-APR-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] GEN7 V13 LED 6"SHORT HEATSINK 6"SQ CAST HOUSING DOWNLIGHT

[MORE] ACRYLIC MED TIR OPTIC & 6"CAST WHITE REGRESS TRIM w/SOLITE

[MORE] LENS

[LUMCAT] 6DS-L70-835-DIM-RM-OF-WH

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Direct, Downlight

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6746
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	78.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15770	18564	12776
55	8367	9105	7875
65	5678	4676	4676
75	2182	2727	2727
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	17224.0681	17224.0681	17224.0681	17224.0681	17224.0681
5	16328.2461	16259.3371	16259.3371	16298.7141	16393.874
10	13945.9501	13739.2221	13519.3681	13634.2171	13693.282
15	9982.019	9972.174	9854.044	9817.949	9814.667
20	6274.037	6083.716	5903.239	5676.822	5614.475
25	3340.465	3347.028	3169.832	3074.672	2949.979
30	1768.675	1755.549	1670.233	1581.635	1483.193
35	912.229	958.169	974.576	820.350	748.159
40	472.522	488.929	547.994	433.145	367.517
45	259.231	269.075	305.170	242.824	210.010
50	160.789	173.914	183.758	160.789	141.100
55	111.568	114.849	121.412	111.568	105.005
60	82.035	82.035	82.035	82.035	78.754
65	55.784	52.502	45.940	52.502	45.940
70	32.814	32.814	32.814	32.814	32.814
75	13.126	16.407	16.407	16.407	16.407
80	9.844	6.563	6.563	6.563	6.563
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4171.83	N.A.	61.80
0-30	5737.63	N.A.	85.10
0-40	6342.05	N.A.	94.00
0-60	6671.57	N.A.	98.90
0-80	6743.67	N.A.	100.00
0-90	6745.56	N.A.	100.00
10-90	5272.64	N.A.	78.20
20-40	2170.22	N.A.	32.20
20-50	2393.33	N.A.	35.50
40-70	382.71	N.A.	5.70
60-80	72.10	N.A.	1.10
70-80	18.90	N.A.	0.30
80-90	1.89	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6745.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1472.92
10-20	2698.91
20-30	1565.8
30-40	604.42
40-50	223.12
50-60	106.41
60-70	53.19
70-80	18.90
80-90	1.89
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

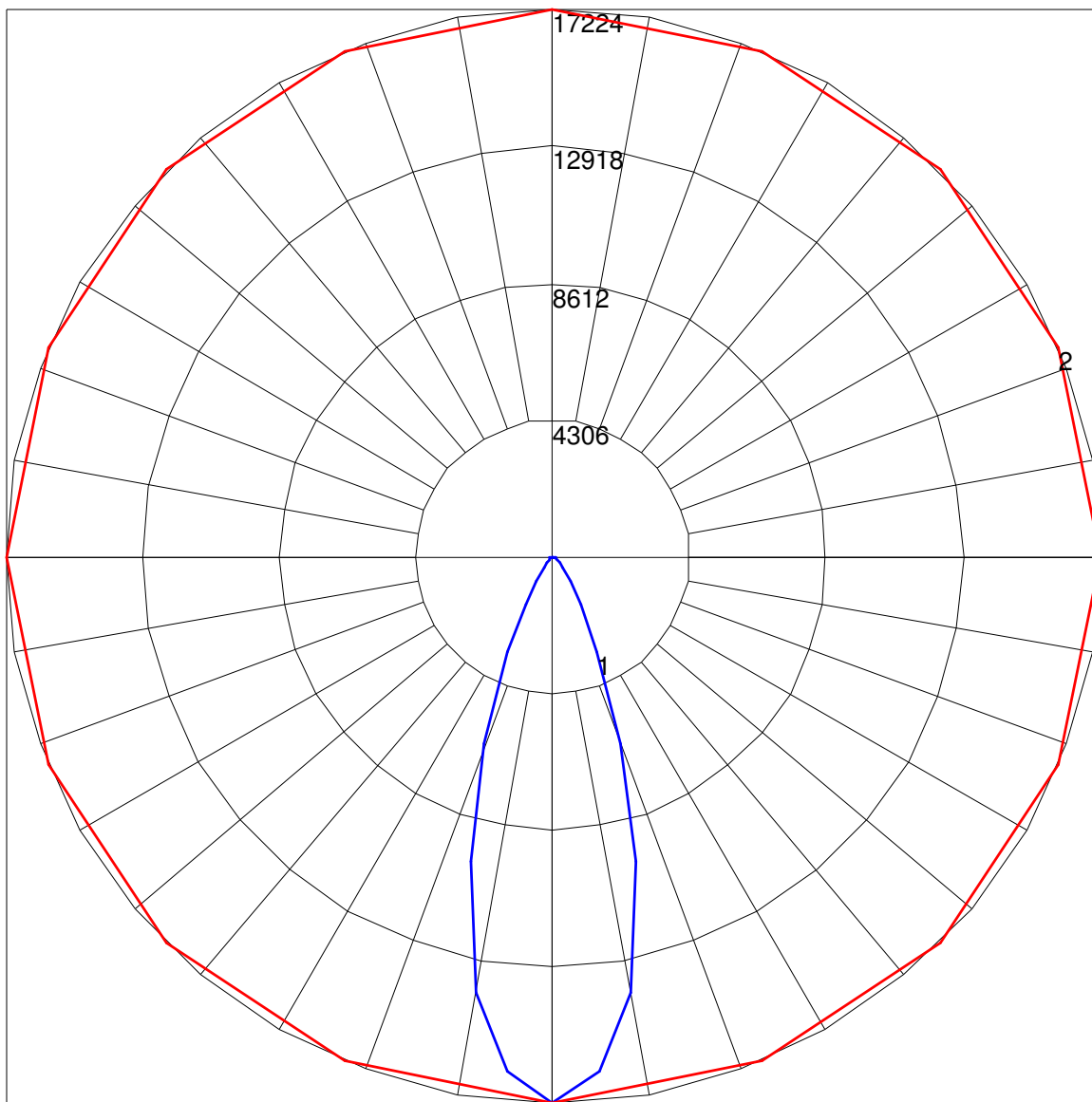
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	391	391	391	391	382	382	382	382	365	365	365	349	349	349	335	335	335	328
1	375	367	359	353	367	359	353	347	346	341	336	334	330	326	323	320	317	311
2	359	345	333	324	352	339	329	320	329	320	313	319	313	306	311	305	300	295
3	344	326	312	301	338	322	309	298	313	302	293	305	296	289	298	291	285	280
4	330	309	293	282	325	305	291	280	299	286	277	292	282	274	287	278	270	266
5	317	294	278	266	312	291	276	264	285	272	262	280	269	260	275	266	258	253
6	305	280	264	252	301	278	262	251	273	259	249	269	257	248	265	254	246	242
7	294	268	251	240	290	266	250	239	262	248	238	258	246	237	255	244	235	231
8	283	257	240	229	279	255	239	228	252	237	227	248	236	226	246	234	226	222
9	273	246	230	219	270	245	229	219	242	228	218	239	226	217	237	225	217	213
10	263	237	221	210	260	235	220	210	233	219	209	231	218	209	228	217	208	205

POLAR GRAPH



Maximum Candela = 17224.068 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)